UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF COMMERCIAL FISHERIES

CALIFORNIA FISHERY MARKET NEWS MONTHLY SUMMARY

March 1966

PART II–Fishing Information*

Sea-surface temperatures, fishing and research information of interest to the West Coast tuna-fishing industry and marine scientists

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*Part 1 - "Fishery Products Production and Market Data" is issued by the Bureau of Commercial Fisheries, Market News Service, Post Office Building, San Pedro, California

SEA SURFACE TEMPERATURE CHARTS, EASTERN PACIFIC OCEAN

MARCH 1966

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U.S. Marine Mammals Biological Laboratory, Seattle, Washington
U.S. Weather Bureau, San Diego, California
U.S. Naval Communication Station Balboa, Fort Amador, Canal Zone
U.S. Weather Bureau Port Meteorological Office, Cristobal, Canal Zone
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Ships Bali and West Point

Charts

Figure 1.--Mean sea surface temperatures (°F) derived from approximately 8000 observations. Squares show temperatures at weathership stations. Numerals on shore are temperatures at coastal and lightship stations.

Figure 2.--Deviation of sea surface temperatures (°F) from long term charts of H.O. 225. Hatched areas are colder in 1966.

Figure 3.--Deviation of sea surface temperatures (°F) from those of March 1965. Hatched areas are colder in 1966.

Figure 4.--Sea surface temperatures (°F) by 1-degree squares, approximately 2000 observations. Line under temperatures indicates average of two or more observations. Numerals on shore are temperatures at coastal stations.

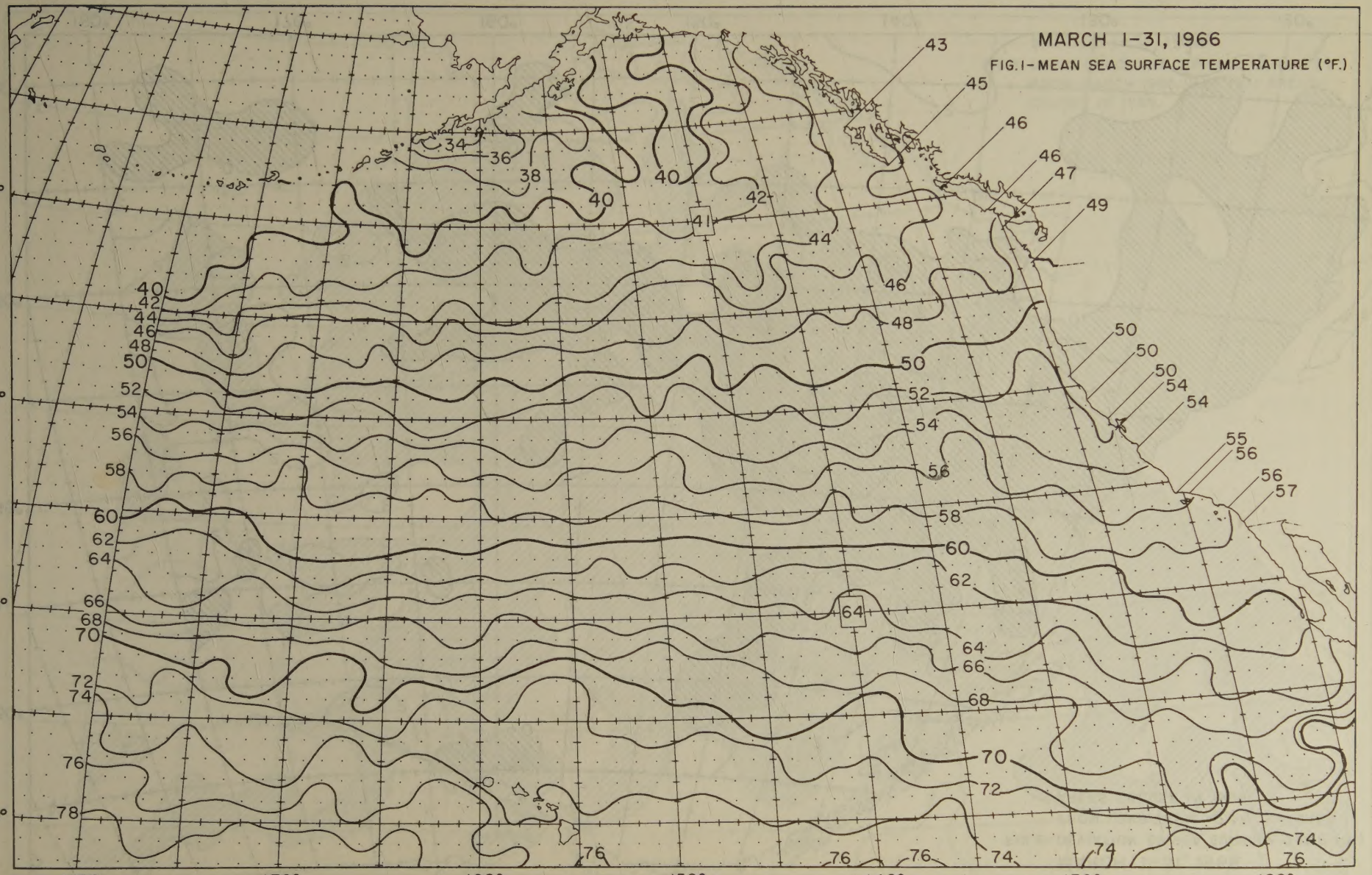
Figure 5.--Deviation of sea surface temperatures (°F) March 1966-March 1965 by 1-degree squares. Shaded areas are colder in 1966.

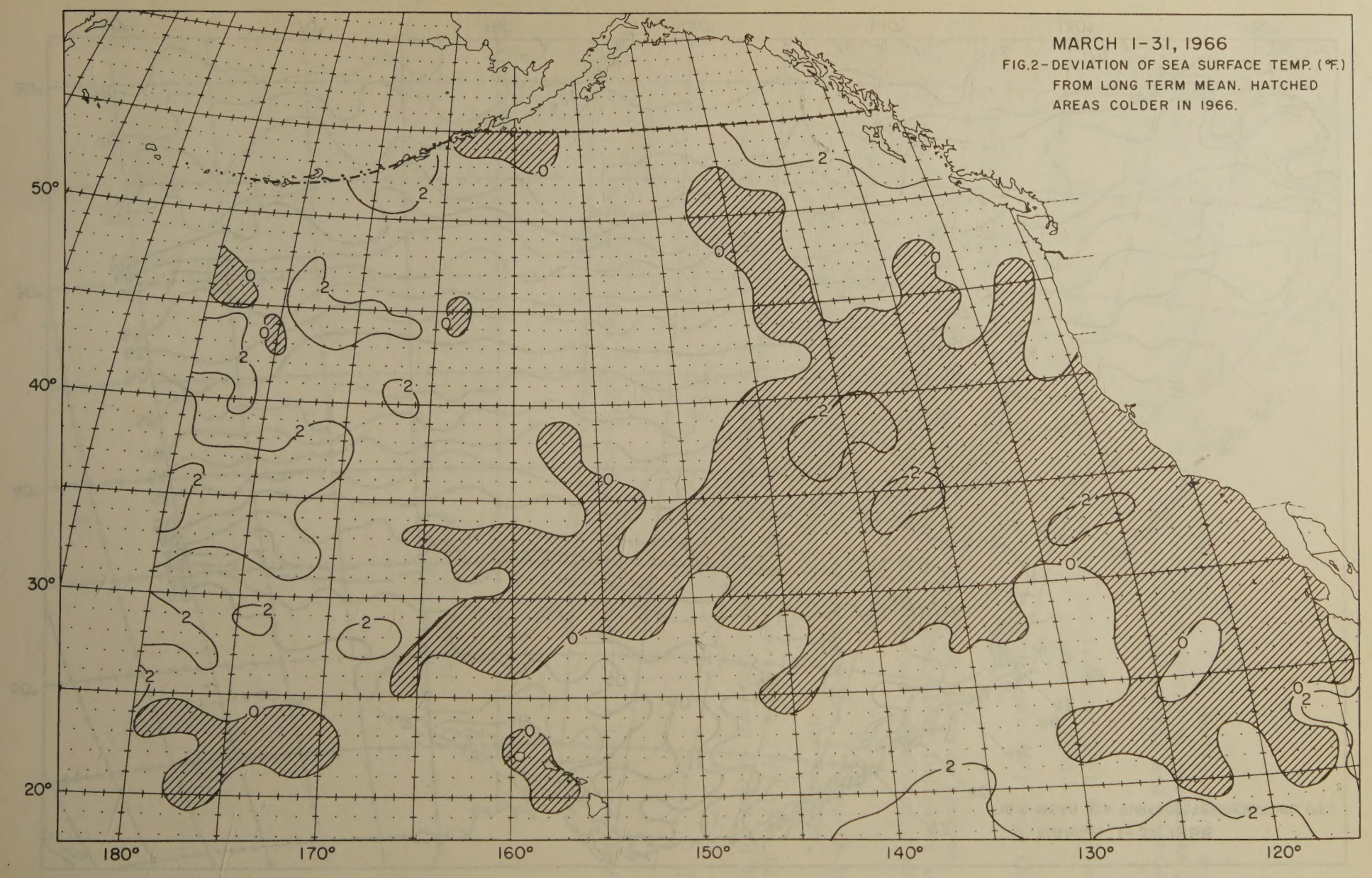
Figure 6.--Deviation of sea surface temperatures (°F) from 12-year mean (1947-1958) by 2-degree squares. Shaded areas are colder in 1966.

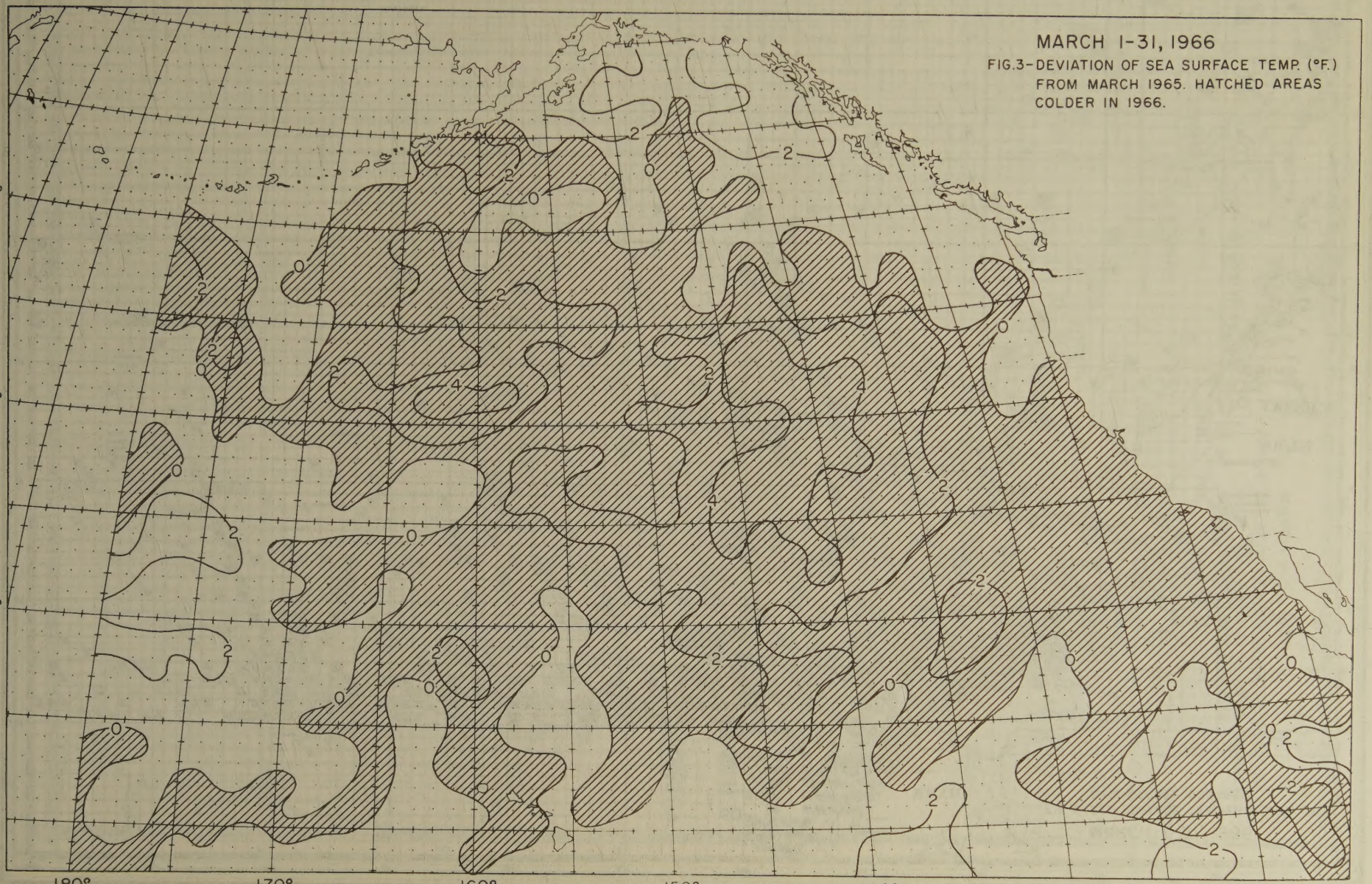
Errata

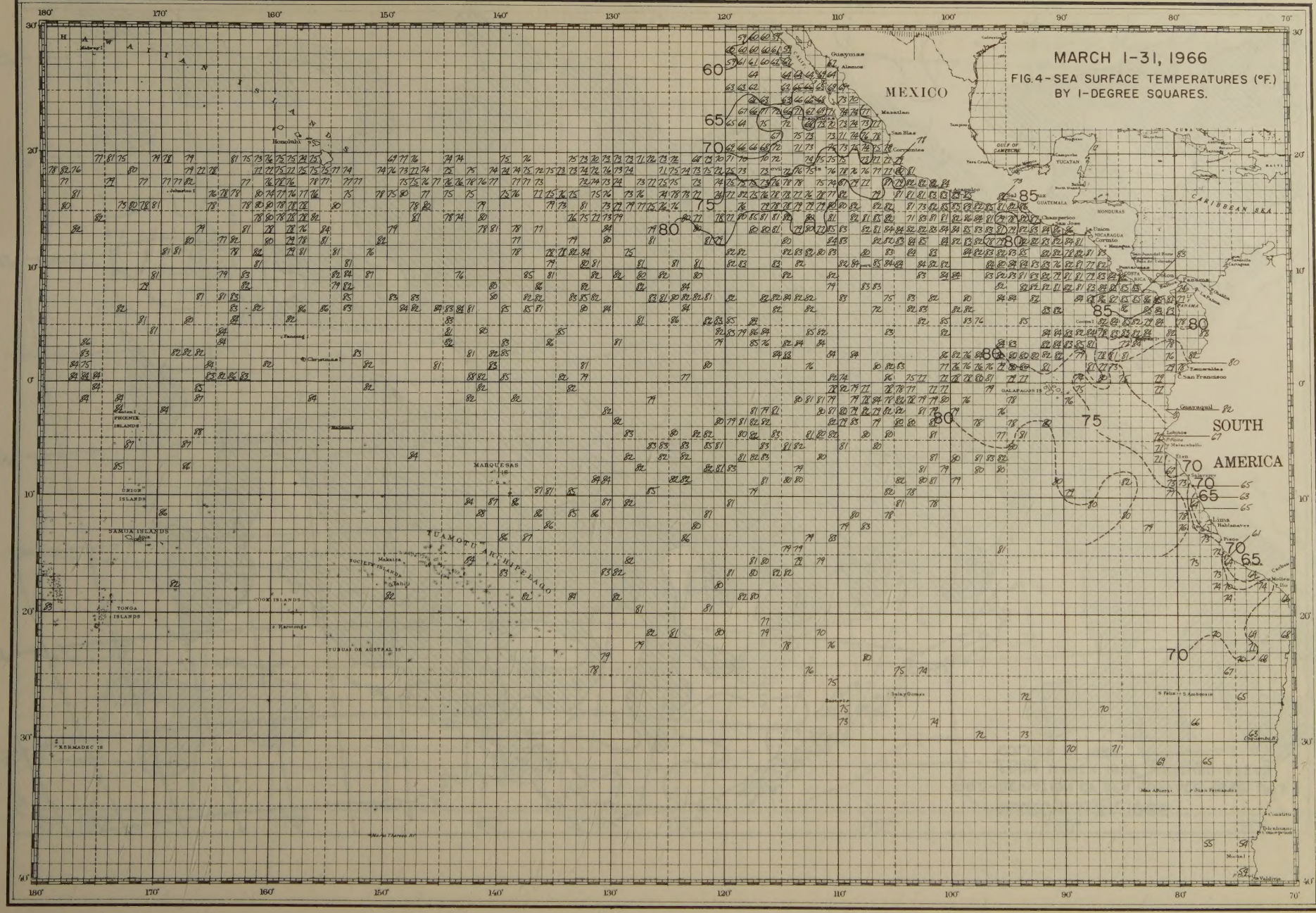
February 1966, Pages 2 and 3.--References to La Libertad should read La Libertad, Ecuador.

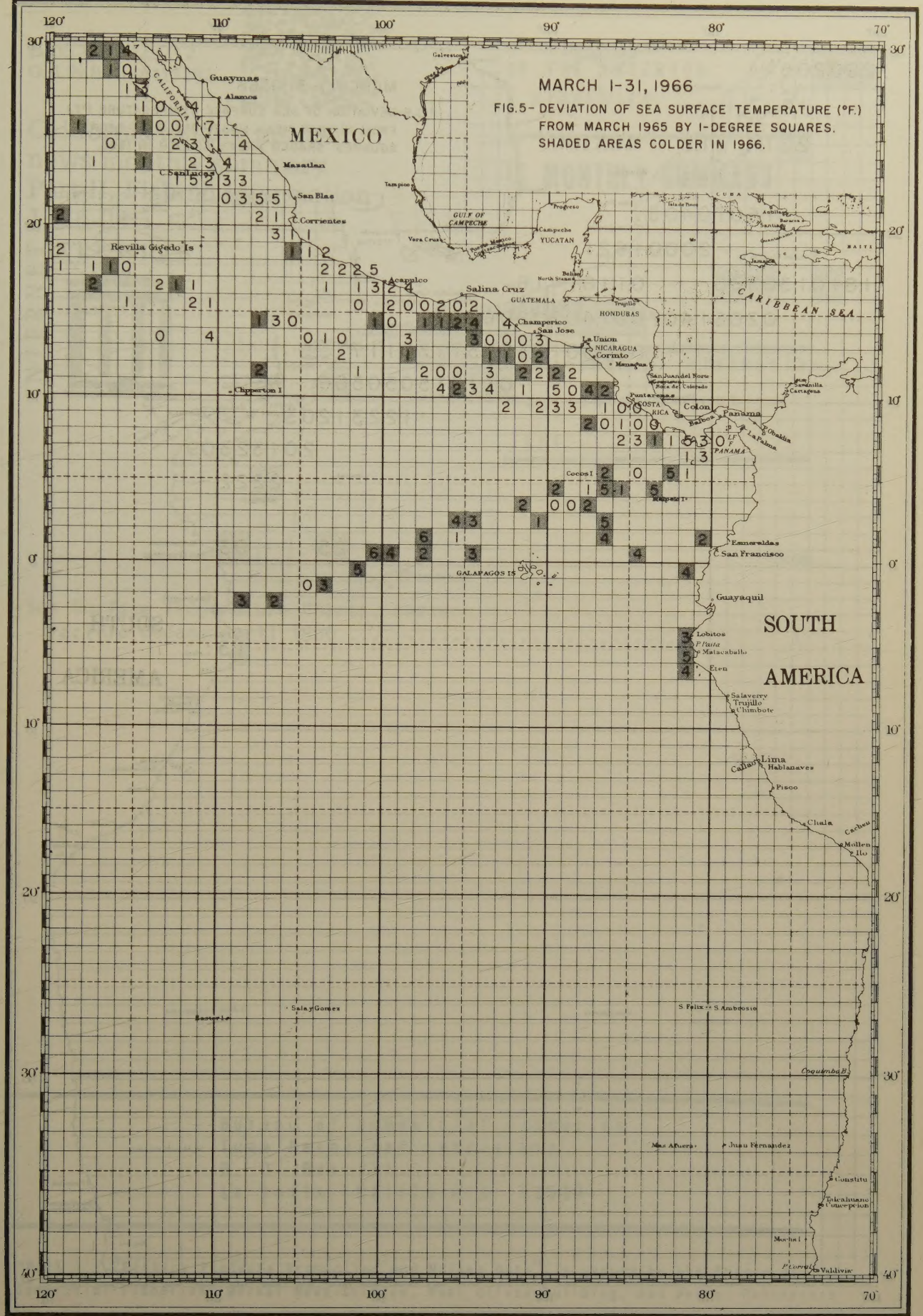
James A. Renner
Fishery Biologist (General)

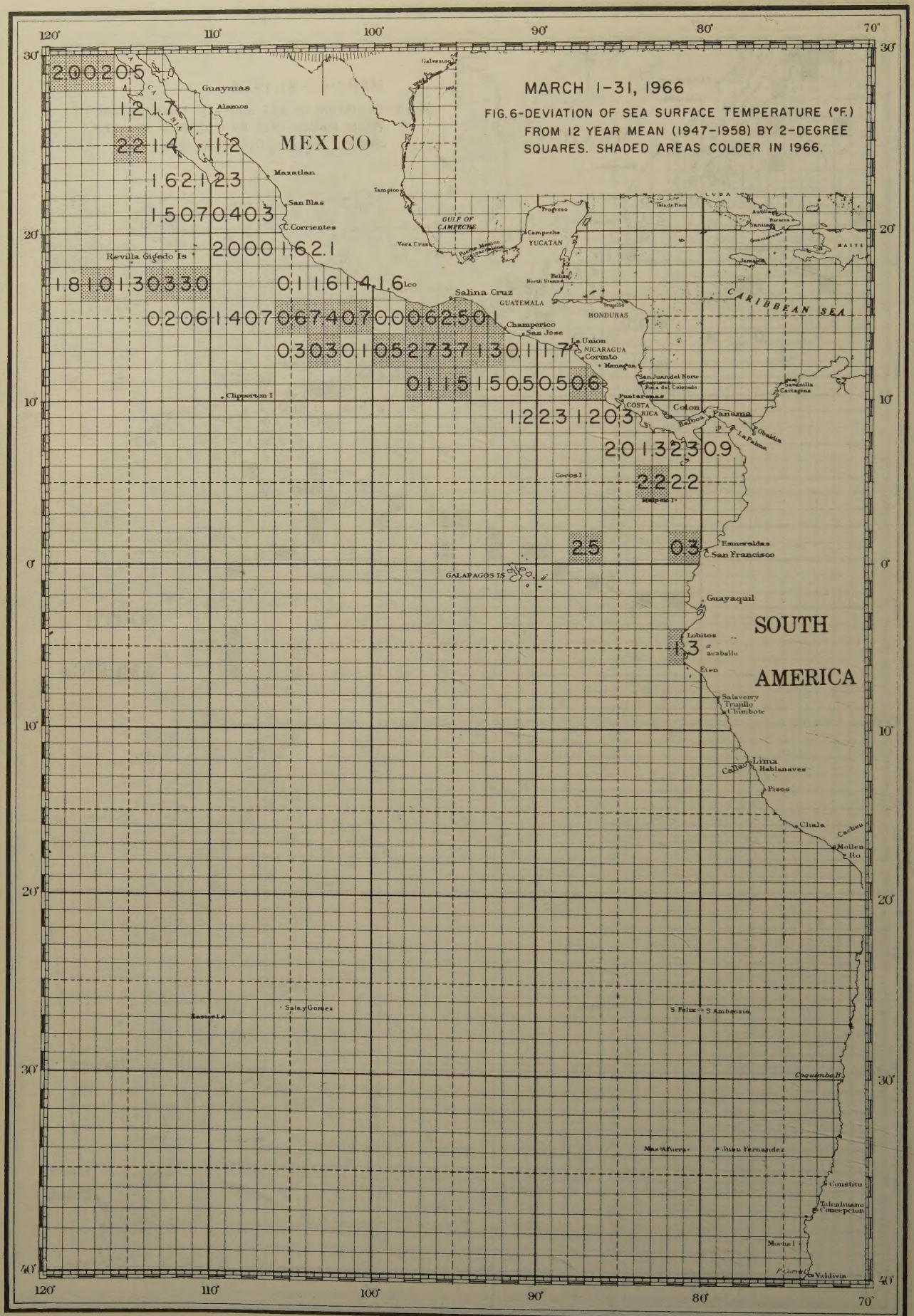

MARCH 1-31, 1966
FIG. 1 - MEAN SEA SURFACE TEMPERATURE (°F.)
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°


MARCH 1-31, 1966
FIG.2-DEVIATION OF SEA SURFACE TEMP. (°F.) FROM LONG TERM MEAN. HATCHED AREAS COLDER IN 1966.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°


MARCH 1-31, 1966
FIG.3-DEVIATION OF SEA SURFACE TEMP. (°F.) FROM MARCH 1965. HATCHED AREAS COLDER IN 1966.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°


MARCH 1-31, 1966
FIG. 4 - SEA SURFACE TEMPERATURES (°F.)
BY 1-DEGREE SQUARES.
MEXICO
SOUTH AMERICA
HAWAIIAN ISLANDS
Honolulu
Johnston I.
Palmyra I.
PHOENIX ISLANDS
Christmas I.
MARQUESAS IS.
UNION ISLANDS
SAMOA ISLANDS
TUAMOTU ARCHIPELAGO
SOCIETY ISLANDS
Tahiti
COOK ISLANDS
Rarotonga
TONGA ISLANDS
TUBUAI OR AUSTRAL IS.
KERMADEC IS.
GALAPAGOS IS.
Guaymas
Mazatlan
San Blas
Acapulco
Champerico
San Jose
Corinto
Managua
Panama
Balboa
Cristobal
Colon
Esmeraldas
San Francisco
Guayaquil
Salaverry
Lima
Callao
Pisco
Mollendo
Arica
Iquique
Juan Fernandez
Valdivia
CARIBBEAN SEA
GULF OF CALIFORNIA
GUATEMALA
HONDURAS
NICARAGUA
COSTA RICA
PANAMA
YUCATAN


MARCH 1-31, 1966
FIG.5- DEVIATION OF SEA SURFACE TEMPERATURE (°F.) FROM MARCH 1965 BY 1-DEGREE SQUARES. SHADED AREAS COLDER IN 1966.
MEXICO
SOUTH AMERICA
CARIBBEAN SEA
GULF OF CAMPECHE
GUATEMALA
HONDUBAS
NICARAGUA
COSTA RICA
PANAMA
CUBA
HAITI
YUCATAN
Guaymas
Alamos
Mazatlan
San Blas
C. Corrientes
Revilla Gigedo Is
Acapulco
Salina Cruz
Champerico
San Jose
La Union
Cornito
Managua
Chipperton I
Puntarenas
Colon
Panama
Coops I
Rapez I.
GALAPAGOS IS
Esmeraldas
San Francisco
Guayaquil
Lobitos
P'Pizita
Matacaballo
Eten
Salaverry
Trujillo
Chimbote
Callao
Lima
Hablanaves
Pisco
Chala
Cachau
Mollendo
Ilo
Sala y Gomez
Easter I.
S. Felix
S. Ambrosio
Coquimba B.
Mas Afuera
Juan Fernandez
Constitu
Talcahuano
Concepcion
Mocha I.
Valdivia
120°
110°
100°
90°
80°
70°
30°
20°
10°
0°
40°


MARCH 1-31, 1966
FIG. 6-DEVIATION OF SEA SURFACE TEMPERATURE (°F.) FROM 12 YEAR MEAN (1947-1958) BY 2-DEGREE SQUARES. SHADED AREAS COLDER IN 1966.
MEXICO
SOUTH AMERICA
CARIBBEAN SEA
GULF OF CAMPECHE
GUATEMALA
HONDURAS
NICARAGUA
COSTA RICA
YUCATAN
CUBA
HAITI
JAMAICA
GALAPAGOS IS
Guaymas
Alamos
Mazatlan
San Blas
C. Corrientes
Revilla Gigedo Is
Salina Cruz
Champerico
San Jose
La Union
Corinto
Managua
Clipperton I
Cocos I
Punta Arenas
Colon
Panama
Balboa
Emeraldas
C. San Francisco
Guayaquil
Lobitos
Eten
Salaverry
Trujillo
Chimbote
Lima
Callao
Hablanaves
Pisco
Chala
Cachen
Mollendo
Salas y Gomez
Easter I.
S. Felix
S. Ambrosio
Juan Fernandez
Mas A Tierra
Constitucion
Talcahuano
Concepcion
Mocha I.
Valdivia
P. Corral
Coquimbo
Tampico
Progreso
Campeche
Vera Cruz
Belize
Trujillo
Tela de Pinos
Santiago
Barranquilla
Cartagena
Rio de Oro
Rio del Colorado
San Juan del Norte
Galveston
120°
110°
100°
90°
80°
70°
30°
20°
10°
0°
40°